The Tech

Vol. 23

Oak Grove Creamery Company,

DAIRY LUNCH ROOM
435 Boylston St., cor. Berkeley, opp. Y.M.C.A. Bldg.
Where can be had

SANDWICHES OF ALL KINDS, SOUPS, TEA, COFFEE, AND REGULAR DAIRY LUNCH.

Our menu consists of a careful selection of the most appetizing and seasonable viands the market affords. In every case everything is of the choicest quality, cooked and served as food of this sort should be cooked and served. Our unique combination breakfast plan is proving a most popular feature. . . . . .

$5.50 Check for $5.00. Pure Milk and Cream. All Kinds of Means.

NELSON L. MARTIN.

MOGUL
EGYPTIAN CIGARETTES
Grown in Turkey.
Perfected in Egypt.
Enjoyed in America.
"MOGUL SMOKE" IS A FAULTLESS SMOKE.
10 for 10 cents.
Cork Tips or Plain.
Save the Coupons.

Telephone 1192-5 Oxford

GEO. H. LANE

Importing Tailor

18 BOYLSTON STREET
BOSTON, MASSACHUSETTS

Discount to Students

A. G. MORSE, Salesman

The Old Corner Bookstore,

Incorporated
27-29 Bromfield Street,
Boston, Mass.

"LOWEST PRICES."

$5.50 FOR $5.00

We have inaugurated a commutation meal ticket especially for STUDENTS

TRINITY COURT — Petit Lunch — 2 STUART STREET

Regular Meals 20c. and 25c.

Table d'Hote for 35c.
Served from 5.30 to 6 p.m.

In writing advertisers kindly mention THE TECH.

Now Get Ready for Easter

You will find everything here, from hats to hose. What will interest you particularly, however, are the new suits and overcoats. We can show you all the latest shapes and patterns in these, including a splendid representation of high-class ready to wear from L. Adler Bros. & Co., who are far famed for their success in duplicating the finest of made-to-measure clothing at half its price.

Oak Hall Clothing Co.

Cor. WASHINGTON and ELM STS.

The Berkeley Hotel

Berkeley and Boylston Streets

EUROPEAN AND AMERICAN PLANS

Modern in Every Detail

Restaurant à la Carte
Dining Room table d'hote

Gentlemen's CAFÉ and Billiard Room. Entrance on Berkeley St.

JOHN A. SHERLOCK

ALL GOODS REQUIRED BY STUDENTS AT

Maclachlan's,

214 Clarendon Street.

Drawing Instruments and Materials, etc.

Fountain Pens, Text Books.

Priest's Dining Rooms

102 DARTMOUTH STREET

Full Ticket, 21 meals	$4.00
Breakfasts and Dinners	3.00
Breakfast, 7 meals	1.50
Dinner, 7 meals	1.50

Try our Mid-day Dinners, 20 cents

SEVEN FOR $1.20

W. M. ROWAN

"THE TECH BARBER"

Westminster Hotel - - St. James Ave.

Special to Students

Hair Cut 25 cts. - - Shave 15 cts.

MISS POST,

Private Lessons in Dancing,

Tel. 1469-4 B. B.

PIERCE HALL, COPLEY SQUARE.

Applications received between 9 and 12 o'clock daily.

DR. W. J. CURRIER,

Dentist,

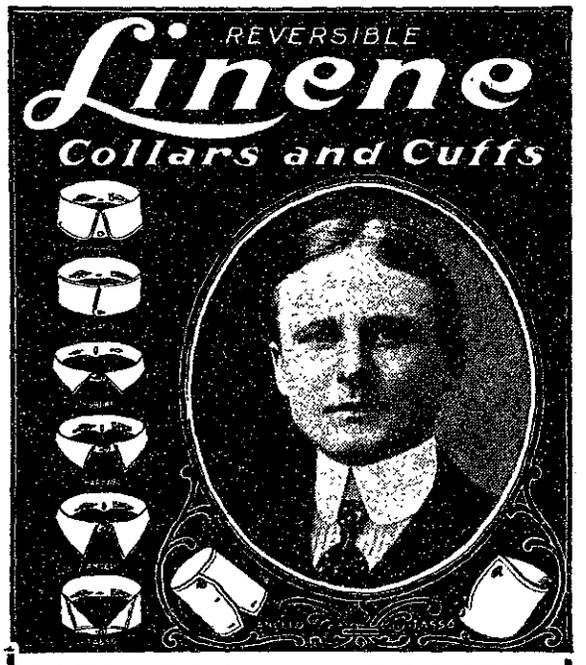
Office Hours,
9 to 4. 90 Huntington Avenue.

Refers by permission to Prof. T. H. Bartlett.

Meadowbrook Restaurant,

Huntington Chambers Building, Near Copley Square.

24 and 26 Huntington Avenue, BOSTON.



SAVE MONEY AND TROUBLE

Students, professional and business men, mechanics, sportsmen, find comfort, convenience, and economy in these goods. Made of fine cloth, stylish, and finished in pure starch.

NO WASHING OR IRONING

When soiled, discard. For sale by Continental Clothing House. Boylston & Washington streets, and other dealers.

REVERSIBLE COLLAR CO., BOSTON.

NOTICE TO SENIORS OF M. I. T.

Kindly assist your Portfolio Committee and Class Photographer, by making appointments for sittings right away. This is necessary, as the class elected their committee about a month later than last year. Respectfully,

CHAS. W. HEARN

SENIOR CLASS PHOTOGRAPHER '04

394 Boylston Street

COLLEGE SONGS

Tech Songs $1.25

Harvard University Songs $1.50

College Songs for Girls $1.00

OLIVER DITSON CO.
150 TREMONT STREET

DRESS SUITS

Correct and Ready-to-Wear

¶ Of fine twilled English Worsted or German Crepe, and lacking no single detail of "smartness" in the style. A complete showing of ready-to-wear evening dress for men, in a department wholly by itself — the largest in New England. Distinctive, high-grade evening clothes, yet at a considerable saving in price.

Dress Suits, $35, $45, $50
Tuxedo " $33, $40, $45

¶ *Made in our own work rooms.*

Macullar Parker COMPANY
400 Washington Street

LOWNEY'S

Chocolate Bonbons

"Name on Every Piece."

"A Word to the Wise is Sufficient."

Retail Store **416 Washington Street.**

Underwood's Deviled Ham

will be found invaluable. Wholesome, delicious, and appetizing, whether eaten cold just as it comes from the can, or as an addition to eggs, fish, and birds when cooked. Made of ***ham*** and pure spices, that's all. Look on the can for the little red devil. That's the real ***UNDERWOOD'S.*** All dealers.

H. M. LEVINE

TAILOR

125 TREMONT STREET, BOSTON

Telephone, Oxford 1973-2

"GRAND KAPNOS" HIGHEST GRADE EGYPTIAN CIGARETTES

are smoked by all connoisseurs of Oriental tobacco.

"COLLEGE YARD BLEND" Pipe tobacco has proved a great success in consequence of its pure aroma and fragrancy, and to the fact that it does not bite the tongue.

We will print your crest, monogram, or initials artistically on cigarettes without extra cost.

ANGLO-OTTOMAN TOBACCO CO.

1230 Massachussets Ave., Harvard Square

Telephone 1144-4 Cambridge, Mass.

ALGERON JAMES,

Caterer and Fancy Baker

RESTAURANT AND ICE CREAM PARLOR

GET DISCOUNT TICKET AT DESK

408-410 Boylston Street, Boston

A very attractive line of London and Scotch Novelties especially adapted for young men at modern prices.

STACKHOUSE and FREEMAN

Tailors

11 Hamilton Place corner Tremont Street

BOSTON

TELEPHONE CONNECTION

NOYES BROS.

SHIRTS

For BUSINESS Wear, $1.50 to $3.50
For OUTING Wear, $2.00 to $4.00
For DRESS Occasions, $2.50 to $5.00

FLANNEL SHIRTS

For Travelling, Hunting and Outdoor Sports, $2.75 to $10.00

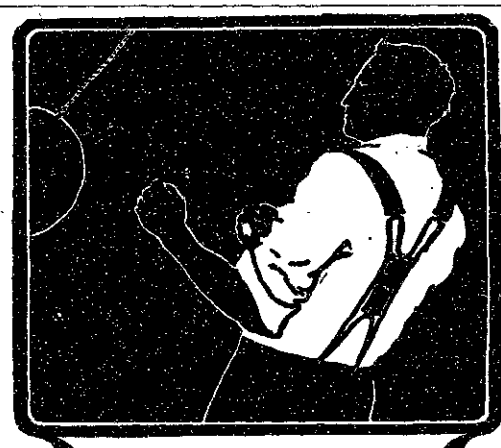
Fownes Heavy Street Gloves

Hand Stitched, $1.50
Better ones, $2.00, $2.50 and $3.00

NECKWEAR

In designs out of the ordinary—shapes strictly new $1.00 to $4.50

NOYES BROS. Washington and Summer Streets, Boston, U. S. A.



"Give and Take"
is the principle of

President Suspenders

What one side gives the other side takes. Comfort, style and service.

Absolutely Guaranteed.

Metal trimmings cannot rust. 50c and $1, any store, or mail prepaid.

C. A. EDGARTON MFG. CO.
Box 282, Shirley, Mass.

FIELD & COWLES

INSURANCE

85 WATER STREET, BOSTON

SPECIAL FORMS FOR INSURANCE OF STUDENTS' PROPERTY IN HOUSE AND SCHOOL. RATES NOMINAL.
WRITE FOR PARTICULARS.

FREE

To Tech Students only

A $10.00 pair of trousers free to each student

Write or call for further information

A. H. MATZ & CO.

The Tech Tailor

32 HUNTINGTON AVE.

COPLEY SQ.

Removal

Hall & Hancock

HATTERS

are now located in the Hall and Hancock Building

418 & 420

Washington St.

Third door from Summer St. (North)

Co-op. Discount

New Location

W. C. BROOKS & CO.

TAILORS

OLD SOUTH BUILDING

294 Washington Street

BOSTON

THE TECH

VOL. XXIII. BOSTON, MARCH 24, 1904. NO. 21.

THE TECH

Published every Thursday, during the college year, by students of the Massachusetts Institute of Technology.

LEONARD T. BUSHNELL, 1905, *Editor-in-Chief.*
CHARLES T. BARTLETT, 1906, *Managing Editor.*
H. EVERETT DARLING, 1906, *Secretary.*
C. H. GRAESSER, 1905.
W. GREEN, 1905.
J. DANIELS, 1905.
A. MERRILL, 1905.
W. H. TRASK, 1906.
A. H. DONNEWALD, 1907.
C. G. LORING, 1906, *Art Editor.*

MIGUEL AHUMADA, Jr., 1906, *Business Manager.*
F. A. BENHAM, 1906, *Assistant Business Manager.*
D. G. ROBBINS, 1907, *Assistant Business Manager.*
M. McLEOD, *Assistant Business Manager.*

OFFICE: 30 ROGERS, 491 BOYLSTON STREET.

Editor-in-Chief . . . . . Daily, 8.30-9 A.M.
Business Manager . . . . . Wednesday, 12-1 P.M.

For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.

Contributions are requested from all undergraduates, alumni, and officers of instruction. No anonymous manuscript can be accepted.

All communications regarding subscriptions should be addressed to the Business Manager.

Subscription, $1.00 per year, in advance. Single copies, 5 cts.

Entered in Post-office, Boston, Mass., as Second-class Matter.

Puritan Press, Boston.

IT is extremely gratifying to note that the Advisory Council has seen fit to recognize the wishes of the student body by granting the right to wear numerals to the winning class baseball team. We should never wish to see the Advisory Council yield an inch from a proper position simply because that position was not popular with all the students, but we should like to see more undergraduate members in the Council, in order that it might the more quickly understand what the majority of undergraduate Tech men desire. It seems to us that the proper function of the Advisory Council, as the name indicates, is to accomplish any reforms it may wish to make by bringing the matter to the attention of the undergraduates, and not by simply saying it is to be. For such or any similar purpose the columns of THE TECH are ever at the command of any Tech man, and when a question is brought to their attention, Tech men may be depended upon to think it over carefully and arrive at correct conclusions. The Advisory Council has accomplished such a splendid work in building up our track athletics that we should be very loath to see its well deserved popularity in any way impaired.

THE TECH has carefully refrained from any discussion of the newspaper proposition to unite Harvard University and the Massachusetts Institute of Technology. The idea seems to be one of those irisated delusions which periodically present themselves to the enraptured eyes of the newspaper man on space rates. Whatever may be the merits of this proposition, it is quite evident that the undergraduate bodies of both institutions have very decided opinions on the subject, and those not favorable.

It is but natural that we of Technology should view with alarm a scheme or the rumor of a scheme which threatens the very existence of our institution, and should raise our voices in indignant protest; yet let us not forget in our indignation that in our hands lies the fair name and fame of Technology, peerless among the schools of the world. It is rare sport to throw off with one hand a little song in which most of the words rime with slam or yell, but,

after all, it is not such a convincing argument, nor does it make up in manliness what it lacks in polish. If the day comes, which may Heaven forefend, when there is danger of Harvard absorbing, assimilating or applying what merging process you will, to Technology, then let every true Tech man send his dignified protest to the Corporation. Meanwhile it should be noted that it would be lack of endowment which would drive Technology to such a step. There is food for thought in this for every loyal graduate.

ALL OUT FOR THE TRACK TEAM.

ON Tuesday, March 22, the Track Team began training for the spring meets. The amount of new material which has shown itself at the indoor meets this year, together with the large nucleus of last year's men still remaining, lead those who have followed the track work to hope for a team which will at least equal and perhaps surpass the good record of last year.

This year there are nearly 1600 students at Tech; among so many there is surely material for an excellent team, and hard work will bring it out. Can you help? If you are large, perhaps you can throw the hammer or put the shot; if you are small, you may be just the man for the hundred-yard dash or the two-mile run, or the high jump. Never tried? Then how do you know you can't do good work? Don't leave all the work of upholding Tech's honor on the track to a few — come out and work; and then, if you should fail of making the team, come out and "root," and let our men hear a Tech yell when their breath's all out, and they are "all in," with the tape still thirty yards away. Let every man do his *best*, whether in one way or another, for the team. The Track Team is all we have left of Institute athletics; all our efforts are, or should be, concentrated on that one team. Let's have a good one! All out for the Tech Track Team!

THE TECHNIQUE RUSH.

THE *Technique* Board has decided to have this year's rush on the lawn, between Rogers and Walker. Even last year's rush was large enough to show that this event in Junior week has outgrown being an indoor sport. In the long ago some men did not cut the last two hours on the Thursday of Junior week and the rush was small enough to be held indoors. Now that the rush has come to be one of the real events in Junior week, and every one who is some one either gets into the jam itself or encourages the game from the side lines, the lawn is the best place for it. As in the case of every other good idea, one wonders that it was not thought of before. The *Technique* Board are to be congratulated for having discovered a means for campus meetings. We should say to every one in general, "Better be in," and to Freshmen in particular, "Don't wear your new hats."

Advisory Council Meeting.

The Advisory Council at their last meeting voted T's to the following members of the Basket Ball Team: Howard C. Blake, William E. H. Mathison, Charles R. Burleigh, Elmer W. Wiggin, John W. Ager.

T's were granted to the three men who composed the Fencing Team, which won in the Quadrangular Meet at Cambridge, March 4, namely: Lage, Gatewood, and Riley.

It was also voted that interclass baseball between the Classes of '06 or '07 be officially sanctioned by the Advisory Council, and that the nine members of the team winning the class championship be allowed to wear numerals, and that two substitutes of the winning team be also allowed to wear numerals, such substitutes to be named in writing by the captains of both teams by mail advices to the chairman of the Advisory Council on the day preceding the first match game.

The Show.

Preparation for the Show is going on smoothly and considerable progress has been made during the last week. All those who desire scores of the play should see a member of the management at once, as the edition will be limited and will depend entirely on the number ordered now. The price will be $1.00 and any one can order a copy. The management is very anxious that all men not in the Show stay away from the rehearsals, as the presence of those who are not active participants is demoralizing and hinders the work. Applications for tickets will probably be called for within a week, and the fact that this year there will be two performances of equal merit should be borne in mind.

Musical Clubs.

One of the best concerts of the season was given last Friday evening at the Highland Club, in West Roxbury. After the concert the fellows gathered around, and sang more songs at the supper given by the men of the Highland Club. Linus Faunce, formerly of Tech, was present, and seemed pleased to see Tech men again.

PROGRAM.

1. On to the Field, Bullard.
   GLEE CLUB.
2. Nouveau Siècle, Albin.
   MANDOLIN CLUB.
3. Quartette — Comrade Song, Bullard.
   MESSRS. SWENSON, HIGGINS, WILSON and UPHAM.
4. Rag-time Ball, Haines.
   QUINTETTE FROM THE BANJO CLUB.
5. Solo — "Ich Liebe Dich," Grieg.
   MR. FREDERICK L. HIGGINS.
6. Anona, Grey.
   MANDOLIN CLUB.
7. Quartette — "Honey, I Want You Now," Coe.
   MESSRS. SWENSON, HIGGINS, WILSON and UPHAM.
8. Banjo Solo — Blue Ribbon March, Hall.
   MR. OTIS G. FALES.
9. Solo — Conquered, Quentin.
   MR. HARRY H. COOK.
10. Dixie Land, Henning.
    QUINTETTE FROM THE BANJO CLUB.
11. { *a* Bull Dog. / *b* The Mermaid. }
    GLEE CLUB.
12. A Day in the Cottonfield, Smith and Zublin.
    CHARACTERISTIC PIECE.

Synopsis.—Darkies on their way to the cottonfield on the Mississippi River. Darkies singing at their work. Steamboat whistle. Darkies dancing with delight as boat approaches. Song on boat, "My Old Kentucky Home." Darkies resume dancing as boat passes away. Homeward bound. Darkies disappear in the distance.

MANDOLIN CLUB.

Kommers.

Kommers at the Union are growing in enthusiasm if not in size. At last Saturday's Kommers a number of alumni were present and helped much more than the undergraduates to awaken the enthusiasm. Among others were Mr. Litchfield, Mr. Bullard, Mr. Walker, first editor-in-chief of THE TECH, and President Clark of the Northwestern Association.

Tech spirit is apparently far stronger among the alumni than among ourselves. Shining examples of this fact are the Northwestern Association and the Class of '93. Reports are received constantly of meetings, reunions and dinners of our alumni, who have far less opportunity for manifesting their loyalty than we have. While our alumni should in all things be examples for us to follow, we ought certainly to be ashamed to let them take the lead in making a success of the Kommers, which are primarily student affairs.

Chemical Society.

The Chemical Society will hold a joint meeting with the Boylston Chemical Club of Harvard, at the Tech Union, Monday, April 4, at 8 o'clock. Professor Noyes will speak on "Methods of Photography Without the Use of Light." It is hoped that there will be a large number present to return the hospitality received at Cambridge at the recent meeting there. Tickets fifty cents, from the officers of the Society.

Mining Engineering Society.

A meeting of the Mining Engineering Society was held in Room 2, Rogers, on Monday afternoon. Mr. Foster, a mining engineer, gave an informal talk on some of his mining experiences in Arizona. He also spoke of tin mining. At the business meeting four new men were admitted to membership.

The Society will hold a meeting Friday evening, March 25, at the Union. Mr. W. R. Ingalls, a prominent mining engineer and an Institute graduate, will address the Society. Mr. Ingalls is an authority on the zinc and lead deposits of Missouri, and his talk will probably be on this subject.

Chess Team.

The Press Club defeated Technology last Friday. Merwin was the only member of the Tech team to win. The scores:

Tech.		Press Club.	
Morey,	0	Young,	1
Newton,	0	George,	1
Heines,	0	Lee,	1
Bartlett,	0	Barry,	1
Merwin,	1	Smalley,	0
Forfeit,	0	Sanger,	1
Total,	1	Total,	5

Civil Engineering Society.

The Civil Engineering Society will hold its seventh annual dinner at Hotel Westminster, Thursday evening, March 31, at 6.45. President Tuttle, President Pritchett, and others of the Faculty and instructing staff, will be present, as well as many eminent engineers and contractors.

It is hoped that a very large percentage of the members of the Society will be present, as a general good time is expected. It will be an informal affair, and the sophomores as well as the upper classmen are urged to attend.

Tickets may be procured from any of the officers of the Society and various other members. It is necessary that these be procured as early as convenient, in order to give the committee in charge a fair basis to work upon.

Mining Summer School.

Although it is a little too early to prophecy the success of the George Crocker Mining Summer School, a fair number of students have signified their intentions of going. About twelve men from 1904 and 1905 have definitely decided to go, and a like number have provisionally decided. It seems fair to expect that twenty men will go to Colorado from the Institute.

Electrical Engineering Society.

A meeting of the Electrical Engineering Society was held at Tech Union, Tuesday evening, March 15, the occasion being a talk by Mr. Odin Roberts on "The Procedure of an Inventor to Secure the Rights of a Patent." Mr. Roberts related several amusing incidents in his practice at the Patent Office. After the talk light refreshments were served, and the members grouped themselves about the visitors, discussing informally the subject of the evening.

1906 Class Meeting.

The meeting of the Class of 1906, held last Monday in Huntington Hall, was mainly for the purpose of discussing another assessment. The treasurer, Mr. Keleher, gave a very favorable report, and the Class is now out of debt, but on account of prospective expenditures, it was voted to levy another assessment of fifty cents. Mr. Knapp reported that the canes were now ready. He also stated that arrangements have been made, so that any member of the Class can obtain a pipe or cane by ordering one now from the maker. President Lawton stated that a 1906 Baseball Team is practically assured, and after Mr. Kennedy was elected manager without opposition, the meeting adjourned.

American Chemical Society.

On Wednesday, March 16, the members of the American Chemical Society and their guests were treated to a very interesting lecture on "Radium and Radio-active Bodies," by Professor Rutherford of McGill University, Montreal, who is, perhaps, foremost among American Scientists in the work of experimenting with these bodies. Professor Rutherford dwelt at length upon the research work of Madame Curie and M. Becquerel in actually finding out what substance it was that exhibited such a peculiar characteristic as the ability to ionize a gas and thus to make it a conductor of electricity. He traced the further investigation of these bodies by various scientists and summed up their conclusions as to the nature of the three distinct kinds of rays given off by radium, known as Alpha, Beta, and Gamma rays. The Alpha rays are responsible for the remarkable supply of energy and for the fact that radium remains at a temperature of several degrees above that of the surrounding medium. These Alpha rays are particles, atomic in size, given off with a velocity of about 20,000 miles per second. They are charged with positive electricity and may be diverted by a magnet, but in an opposite direction to what are known as the Beta or Kathodic rays. These latter are negatively charged particles given off at a velocity much greater than that of the Alpha particles, but are themselves much smaller, perhaps only 1 — 1000 as large as a hydrogen atom. The third or Gamma rays are emanations, or infinitely fine solid particles, which produce the discharging of the electroscope and prevent the spark discharge from the terminals of an induction coil.

It is a curious fact that the presence of helium is almost always noted in connection with radium in pitchblende, and it is likewise a curious fact that helium is recognized as the transition product of the emanations given off by the radium. These two facts have led to new theories regarding the transmutation of matter from elements of great atomic weight to those of low atomic weight; not from the baser metals into gold, as the ancients would have it.

Calendar.

THURSDAY, MARCH 24.

4.00 P.M. 1906 "TECHNIQUE" ELECTORAL COMMITTEE. Meeting in 11 Rogers.
4.00 P.M. GLEE CLUB REHEARSAL. Trophy Room.
4.15 P.M. TECH SHOW REHEARSAL. Ballet.
6.00 P.M. DEUTSCHER VEREIN DINNER. Tech Union.

FRIDAY, MARCH 25.

4.00 P.M. MANDOLIN CLUB REHEARSAL. 31 Rogers.
4.15 P.M. TECH SHOW REHEARSAL. Chorus.
4.15 P.M. CIVIL ENGINEERING SOCIETY. Meeting in 11 Engineering B.
8.00 P.M. MINING ENGINEERING SOCIETY. Mr. W. R. Ingalls will address the Society. Tech Union.

SATURDAY, MARCH 26.

12.45 P.M. GLEE CLUB REHEARSAL. Tech Union.
2.23 P.M. HARE AND HOUNDS RUN. Leave South Station for Milton at 2.23. Round trip, 25 cents.
6.00 P.M. SATURDAY NIGHT KOMMERS. Get tickets of Mr. Powers or Co-operative branches. "The only reason you are not a regular attendant is because you have never been."

MONDAY, MARCH 28.

4.15 P.M. TECH SHOW REHEARSAL. Chorus.
4.15 P.M. CIVIL ENGINEERING SOCIETY. Meeting in 11 Engineering B. Mr. Frank B. Gilbreth will speak on "A Contractor's View of the Baltimore Fire."

TUESDAY, MARCH 29.

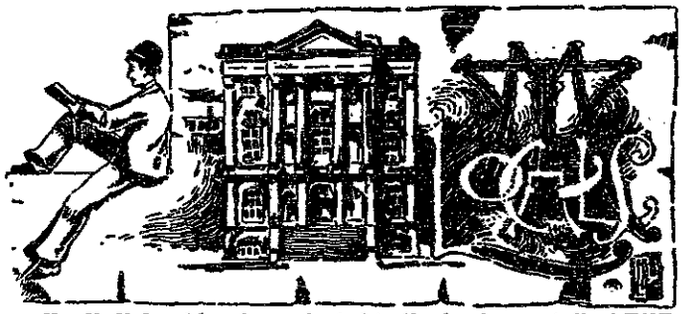
4.15 P.M. TECH SHOW REHEARSAL. Ballet.

WEDNESDAY, MARCH 30.

4.15 P.M. TECH SHOW REHEARSAL. Principals.
7.15 P.M. Y. M. C. A. INFORMAL DISCUSSION: "False Ambitions." 240 West Newton Street.
8.00 P.M. SMOKER AND REUNION of Class of 1903 at Tech Union.

THURSDAY, MARCH 31.

4.00 P.M. 1906 ELECTORAL COMMITTEE. Meeting 11 Rogers.
4.15 P.M. TECH SHOW REHEARSAL. Ballet.
8.00 P.M. ELECTRICAL ENGINEERING SOCIETY. Smoker—Tech Union.



Mr. M. McLeod has been elected to the business staff of THE TECH.

1906 Class Canes should be ordered this week at 29 School Street.

J. Lage won third place in the Harvard Open Junior Fencing Tournament at Cambridge.

Professor A. Rambeau has been appointed lecturer in French for next year at Harvard University.

Ballots for 1904 Class Day election should be handed in at the "Cage" before 1 P.M., Saturday, March 26.

Training for the Track Team began on Tuesday afternoon. Every one intending to come out for the team should report at once.

J. E. Thropp, Jr., III., '94, has been appointed superintendent of the Donora Blast Furnaces of the Carnegie Steel Company.

Men who desire profitable employment for the summer will receive information worth considering by calling at or dropping a postal to P. R. Myrick, 49 College House, Cambridge.

The lecture on "Polyoptikons," which was announced for this evening in the Calendar of last week, is not to be held for the present, but will probably be given some time in April.

The Deutscher Verein is to hold a dinner at the Union this evening at 6 P.M. Several members of the Faculty are expected to be present, and all the members of the Society should be sure to attend. Tickets may be obtained from any of the officers. The next regular meeting will be on Friday, April 1. The hour and place will be announced later. Freshmen and Sophomores interested are urged to join at this meeting.

The Civil Engineering Society will give its sixth lecture on Monday afternoon at 4.15. Mr. Frank B. Gilbreth will speak upon "A Contractor's View of the Baltimore Fire." Mr. Gilbreth is one of the most prominent contracting builders of the East, and is well known at the Institute, not only as the builder of the Lowell Building and Engineering C, but also as a lecturer. Numerous slides which were procured immediately after the fire will be shown. The lecture promises to be very interesting, and a cordial invitation to be present is extended to all those interested in the subject.

Institute Exhibit at St. Louis.

The larger part of the Institute exhibit for the Louisiana Purchase Exposition left Boston last Tuesday for St. Louis. Professor Gardner is to follow within a few days and will have charge of the installation. The exhibit consists of drawings from the Departments of Architecture, Naval Architecture, and Civil and Mechanical Engineering, collections of photographs in albums illustrating the work of the several departments, albums illustrating various phases of student life, including photographs of the classes, athletic teams, and the like. There are also copies of *Technique* and the *Senior Portfolio*, photographic enlargements showing students at work in the laboratories, models of vessels made by undergraduates of Course XIII., and similar work of other Courses.

The exhibit is to occupy a floor space of 1,000 square feet on one of the main aisles of the Educational Building, and is by far the most ambitious display ever attempted by the Institute.

It is planned to have an instructor or student continually on duty to explain the exhibit to visitors. Students intending to be at the Fair a week or two may, by spending half of the day at the exhibit, earn sufficient to help pay their expenses. Any wishing to do this should send their names to the Dean.

NATIONAL.

On March 18, by a vote of 35 to 16, the Senate in executive session confirmed Gen. Leonard Wood as major-general, thereby giving him the rank from Aug. 8, 1903, the day President Roosevelt made the promotion. The contest against his confirmation has been a notable one, beginning Nov. 19, 1903, soon after Congress convened in special session, and continuing through the present session until to-day.

The confirmation by the Senate of Wood's nomination was not unexpected. The testimony before the committee, particularly that of Gen. John R. Brooke, did not seem to the members really damaging. And there has been no question for weeks as to the result, except how soon it might be expected. Senator Hanna's illness and death deprived the opposition of its most formidable leader.

Dependent upon the confirmation of General Wood were 167 promotions for other army officers. Those have been held up since their nominations were made by the President, but now will be confirmed without opposition.

The Dietrich inquiry, made at the Nebraska Senator's own request, by a select committee of the Senate, has practically collapsed. The charge that he sold a post-office appointment has not been sustained.

The War Department's Fortification Board has finally turned down the Langley flying machine. Professor Langley some time ago formally applied to the War Department for an additional allotment from its military experimental fund to enable him to continue his investigations in mechanical flight, and the request was taken under serious consideration.

FOREIGN.

No big battle between Russia and Japan has yet taken place, and the situation in Northern Korea remains unchanged. Viceroy Alexieff confirms the report that the Japanese occupy the line of the Cheng-Cheng River, seventy-five miles north of Ping-yang, and admits that the Russian and Japanese outposts are in close touch there. It is still unlikely, however, that there will be any serious fighting south of the Yalu. Japan continues to pour troops into Korea, the point of debarkation now being Ping-yang inlet. This saves the hundred-mile march from Chemulpo or Seoul.

The Russian minister at Pekin is said to have warned China that she must withdraw her troops within the Great Wall or be considered to have violated her neutrality, in which case Russia would act for the protection of her interests by force; the Government is reported to have refused to take its forces from the region west of the Liao River, which Russia professes to regard as neutral and exempt from entrance by the Japanese, in spite of the fact that it lies within the boundaries of Manchuria.

A clever trap was set for the Balfour ministry in the House of Commons last week and was successfully sprung by the Irish Nationalists. The Government was caught napping and was defeated by 141 to 130 votes on a motion for the reduction of the Irish education estimates; but since it was in the nature of a "snap" division, the Government refused to resign.

General Manning lately succeeded in surprising the Mad Mullah's adherents, killing 150 of them and capturing 3,000 camels.

GENERAL.

Daniel J. Sully, the famous cotton speculator, who has been so prominent in the cotton movement during the last three months, has failed.

The British submarine boat *A1* was run down by a steamer, and sank with all on board. She was of a new design, superseding the Holland type. The boat was found at the bottom in diving trim. Everything was battened down, and apparently no breach had been made in the hull. It is assumed that the boat was turned over by the *Berwick Castle*, and that this upset the gasolene tanks, the fumes from which suffocated the crew.

THE LOUNGER begins to fear that he is like a great many people of far less wisdom, who come out with excellent advice, but only after it is too late for the advice to be of any advantage. THE LOUNGER, however, submits the following plans for the betterment of conditions about the Institute and hopes that some, at least, of his suggestions may be favorably considered by the Faculty. One morning last week THE LOUNGER swam down the Boylston River, landed at Roger's Wharf, and went up to the Sanctum. The first twenty minutes he spent leaning out of the window fishing for his breath, which he had lost somewhere below. It was no go. This particular breath was lost. Apply your mental powers, bright reader (if you are sponging a Tech THE LOUNGER takes it all back), and try to appreciate the horror — lost, forever. Discouraged, THE LOUNGER glanced through the back window, across the moat, into the *salon* populated by the Department of M —— y S —— e. He was just in time to see a breath come floating out of the window. It was one which had escaped a frightened Freshman on coming into the presence of the august personage at the desk. Thus repaired, THE LOUNGER amused himself by watching the streams down on the corner of Clarendon street. He observed a sort of co-ordinate axes system. One stream flowed in the river, another, of students, intersected the first. These THE LOUNGER saw with his physical eye. His mental eye — his memory — saw the third stream, which flowed vertically downward in the neighboring devotional hangout.

THE LOUNGER's benevolent spirit remained dormant until it was aroused by the spectacle of a dainty co-ed attempting to ford the creek. Were these words wafted to his ear, "O, slush, I lost my rubber?" This state of affairs should not exist. THE LOUNGER's feeling for his fellow-mortals cannot permit such a tendency to go in soak. A ferry must be introduced in order that all fairy feet may pass over dry-shod. THE LOUNGER was so struck by the notion that he forgot his duty of lounging for the moment and hurried to put his ideas into reality. As a result of his labors, Professor Rambeau has already submitted designs for the construction. The locomotive power for the triple expansionist gas engine is to be furnished, free of charge, by Professor Currier. THE LOUNGER has received many applications for the position of deck hand. Arlo de la Bates and Monsieur Von Blachstein are running neck and neck for the graft.

* * *

The recent earthquake shock which visited this vicinity seems to have aroused considerable interest. It appears that Professor Cross, of the Institute, has made some investigations on the subject, and he begs THE LOUNGER to communicate the results of his labors to the student body.

Professor Cross, it seems, began investigations immediately after the disturbance. We are not in a position to state the exact time, however, as Professor Cross ——. He was for a long while unable to get satisfactory results; but at last, examining one of the closets in which the apparatus of the Department of Physics is kept, he discovered that one of the jokes was missing. Upon closer study, it appeared that, in brief, one of them had exploded — spontaneously. The department is now earnestly desirous of replacing the lost article. Professor Cross assures THE LOUNGER that this is undoubtedly the true explanation of the shock; and he also says that, as the joke was compounded in the very early days of the Institute, it was harmless and could have killed no one. The papers have mentioned no casualties so far as known.

Faculty Notices.

SECOND YEAR MINING STUDENTS.

Second year students in Mining Engineering, members of the class in Blowpipe Assay of last term who have not already done so, are requested to call at Room 1, Rogers, and obtain their note-books on that subject.

R. H. RICHARDS.

ECONOMICS AND CORPORATIONS, 4TH YEAR.

The class will continue to meet on Monday, at 10 o'clock, as heretofore. Notice of the change to the Thursday hour will be given later.

D. R. DEWEY.

1904 Portfolio.

Tickets for the 1904 *Portfolio* must be obtained before March 27, in order to be sure of getting a book. Only a limited number will be printed, and this number will be determined by the tickets sold now. For sale by Holcombe, II., Haynes, X., Cronin, II., Willard, X., and Powell, XIII.

KEEPS!

SPECIALISTS in SHIRTS to order, as well as all Men's Wear, such as Hosiery, Underwear, Tailor-made Suits, Rain Coats, etc., all at popular prices.

Laundry Called for and Delivered

KEEP MFG. CO., Makers of Keep's Shirts
156 TREMONT STREET

SPRING HATS

EXCLUSIVE STYLES FOR YOUNG MEN

BEST VALUES TO BE OBTAINED

We make a specialty of the celebrated "Stetson" Hat, and other first-class makers

GEO. L. GRIFFIN & SON
404 Washington Street, Boston, Mass.

Boston and Albany

Luxurious Travel

The Points

Of excellence in a Railway Journey are

Good Roadbeds
Fast Schedules
Comfortable Coaches
Palatial Sleepers
Efficient Dining-Car Service

and these are some of the Points in which the

Boston & Albany R.R.

excels in its train service from Boston and the New England Territory to the West.

For rates, schedules, etc., address

A. S. HANSON, G.P.A. BOSTON

Hotel Nottingham

Copley Square, Back Bay, Boston

Two minutes' walk to Huntington Ave. station of B. & A. R.R. and N. Y., N. H. & H. R.R.

Patronage of Tech Students is solicited in our Cafe.

Private Rooms for Parties

Frank R. Grace, Mgr.

Gifts for all Occasions

14-kt. Gold
Sterling Silver
Artistic China and Glass

Prizes for all Games

Gold, Silver and Bronze

Jewelry for Men
Umbrellas and Opera Glasses

Prices for all Purses

Our Stronghold, $1 to $10

A. Stowell & Co. Inc.

MAKERS AND FINDERS OF THE UNUSUAL
Established 1822

THE BRUNSWICK

Boylston and Clarendon Sts., BOSTON.

(Adjoining Copley Square)

Kept on Both American and European Plans.

BARNES & DUNKLEE, Proprietors.

H. H. BARNES, Manager.

L. P. HOLLANDER & CO.

NEW SPRING FASHIONS

IN

MEN'S CLOTHING

NOW IN STOCK

We make a specialty of MEN'S DRESS SUITS—To Order and Ready-to-Wear

DRESS GLOVES, NECKWEAR, ETC.

202 to 216 Boylston St., and Park Sq.

LANDERS' NEW

Lunch and Coffee House

TRY OUR NEW MENU

25 Years' Experience

20 Huntington Avenue

Near Copley Sq. BOSTON

Special Room for Ladies

The Official Tech Pin.

Gold Plated on Silver, $1.00.

Gold, $2.50. Silver, 75 cents.

Frederick T. Widmer,
Successor to

HENRY GUILD & SON, Manufacturers of HAMMER AND TONGS, THETA XI. and other Society Pins.

28 WEST STREET - BOSTON.

CAFE ALWAYS OPEN

Lunch, Cigars, Confectionery

Cor. Columbus Ave. and Yarmouth St.

H. L. TUPPER, *Proprietor*

HEWINS & HOLLIS,

4 HAMILTON PLACE, - BOSTON.

MEN'S FURNISHING GOODS

TECHNOLOGY CHAMBERS DINING HALL

IRVINGTON and ST. BOTOLPH STS.

Good Food Excellent Service

Our spacious Dining Hall will accommodate about fifty more Tech Students

21 MEAL TICKETS $5.00

In writing advertisers kindly mention THE TECH

HOTEL WESTMINSTER

COPLEY SQUARE, BOSTON

W. A. BARRON, *Prop.*

Hotel Westminster.

Trinity Church. Hotel Westminster. Museum of Fine Arts. Boston Public Library.

TOURISTS EN ROUTE TO AND FROM MOUNTAINS AND SHORE WILL FIND THE WESTMINSTER UNEQUALLED IN BOSTON.

ABSOLUTELY FIRE PROOF——EUROPEAN PLAN

White Mountains, New Hampshire—Crawford House, Fabyan House, Twin Mt. House, Summit House.

THE BARRON, MERRILL & BARRON COMPANY

THEATRE ATTRACTIONS

Week commencing March 21, 1904

TREMONT — "Prince of Pilsen."
COLONIAL — "Mother Goose."
HOLLIS ST. — John Drew in "Captain Dieppe."
PARK — "Mrs. Wiggs of the Cabbage Patch."
MAJESTIC — Nat. M. Wills in "A Son of Rest."
GLOBE — "Virginia Earl in "Sergeant Kitty."
BOSTON — James T. Powers in "The Medal and the Maid."
COLUMBIA — "Old Lavender."
CASTLE SQ. — "Under The Gas Light."

HERRICK TICKETS ALL THEATRES Copley Square.

Telephone 2329, 2330 and 2331 Back Bay.

PERCY R. HOWE, D. D. S.
157 NEWBURY STREET
BOSTON

"THE GIRLS ARE FOND OF THESE"

TECH EMBLEMS.

Greatest Variety.
Lowest Prices.

BENT & BUSH,

15 SCHOOL STREET, BOSTON.

OXFORDS

DESIGNED FOR STUDENTS

10% DISCOUNT TO TECH

Coes & Stodder

Down-Town Store
14 School Street.

Up-Town Store
78 Boylston Street.

F. L. Dunne,

Transcript Building,
. . Boston . .

and 17 West 30th Street,
New York.

Fine Clothes.

All over the civilized world
THE IMPROVED
BOSTON GARTER
IS KNOWN AND WORN
Every Pair Warranted
The Name is stamped on every loop —
The *Velvet Grip* CUSHION BUTTON CLASP
Lies flat to the leg—never Slips, Tears nor Unfastens
ALWAYS EASY
Send 50c. for Silk, 25c. for Cotton, Sample Pair.
GEO. FROST CO., Makers, Boston, Mass., U. S. A.
REFUSE ALL SUBSTITUTES

STUDENT DESK.

This is the standard desk for the student. It is a regular $11 grade, which has been slowly whittled down in price till we are now selling it at $8.

It is great value for the money. We guarantee each desk.

The wood is oak in the golden finish. The drawers slide perfectly, and each drawer has a separate lock. Above the bank of drawers is a wide slide.

Do not confuse this desk with the cheap ones which resemble it only in appearance and cost fully as much.

PAINE FURNITURE CO.,

RUGS, DRAPERIES AND FURNITURE,

48 Canal Street, Boston.

Quality Chocolates

A Word to the Wise:

Our goods are on sale where Quality is appreciated.

H.D.Foss & Co.,
MFRS.
38 So. Market St., BOSTON.

QUALITY

This Device on Every Piece.

Consult the

SPHINX

For Spring Hats

All Styles $2.00

412 WASHINGTON STREET

GENTLEMEN GO TO

∴ THE ∴

Students' Drug Store

Follow the crowd Dont forget the address

COPLEY SQUARE PHARMACY

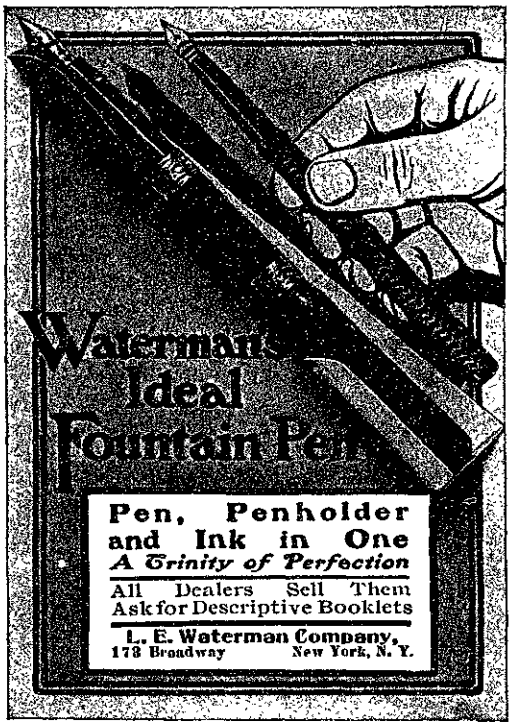
Under Copley Square Hotel

Cor. Exeter St. and Huntington Ave., Boston, Mass.

Opposite Tech Chambers

Yours truly

E. G. BOSSOM

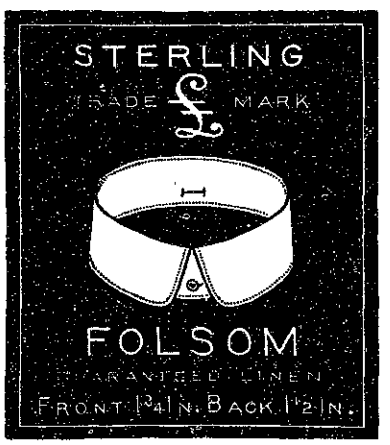


Galvin's Conservatory

Cor. Boylston and Fairfield Streets

Decorations for Weddings and Receptions. Dinner-table and Ballroom decorations.

Plans and Estimates furnished on application.



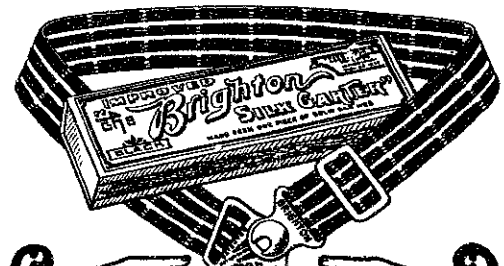
EDWARD A. RILEY

Men's Furnishings

999 Boylston Street, Boston, Mass.

near Massachusetts Avenue

LAUNDRY CALLED FOR AND DELIVERED



That's the Clasp that's Absolutely Flat.

Never Tears the Clothing or Rubs the Leg.

BRIGHTON

Flat Clasp

GARTER

is a perfect support for the hose. It does not bind the leg or cause the least discomfort to the wearer. Made in all fashionable colors—best *silk* elastic web. 25c at all dealers or by mail.

PIONEER SUSPENDER CO.
718 Market Street, Philadelphia.
Makers of Pioneer Suspenders.

Away From Home

away from the tender, solicitous care of Mother—at school—studying hard, exercising harder, accidents will sometimes happen. If at home, mother would use Pond's Extract—*the old family doctor*—and the pain would soon vanish—the injury soon heal. For over 60 years mothers have eased pains and healed wounds, burns and bruises with Pond's Extract and have never been disappointed in it. There is no remedy which will take its place—*no substitute.*

Keep a bottle handy for quick use. Soothes and freshens the face after shaving. Watered Witch Hazel—a weak solution—sometimes offered in place of Pond's Extract—has no medicinal value—is positively worthless. Pond's Extract CURES, therefore is priceless.

Sold only in sealed bottles under buff wrapper.

ACCEPT NO SUBSTITUTE.

L. PINKOS

Maker of

Fashionable Clothes

.. FOR ..

College Men

ANNOUNCES a special discount of 10 per cent on all orders received from *Technology* students. I carry only the best of foreign woolens, which are carefully selected for student wear.

It will be to your advantage to give me a trial. My prices will meet your approval.

L. Pinkos, 1276 Mass. Ave.
Harvard Square Cambridge
OPPOSITE HARVARD MAIN GATE.

Not Totally Different
Clothing for Men

Smith & Smullen Co.
16 Summer Street
Near Washington Street

DANIEL B. FISH Formerly at Westminster Hotel
Artistic Hair Dresser
Special Rates to Students
SHAVE 15 cents. HAIR CUT 25 cents. SHAMPOOING 15 cents.
TONIC HAIR CUT 25 cents. HAIR SINGE 25 cents.
FACIAL MASSAGE 15 cents. SEA FOAM 10 cents.
RAZORS HONED 15 cents.
482 BOYLSTON ST. - opp. Rogers Bldg

The New York Homœopathic Medical College
Most complete Medical Course.
Largest Clinical Facilities (1200 Beds).
Greatest opportunity for Hospital Appointment.
For Announcement address:
GEORGE WATSON ROBERTS, M.D., Sec'y.
170 Central Park South, N. Y. City.
WILLIAM HARVEY KING, M.D., LL.D., Dean.

Better than Coffee
Richer than Coffee
Nine-tenths Coffee

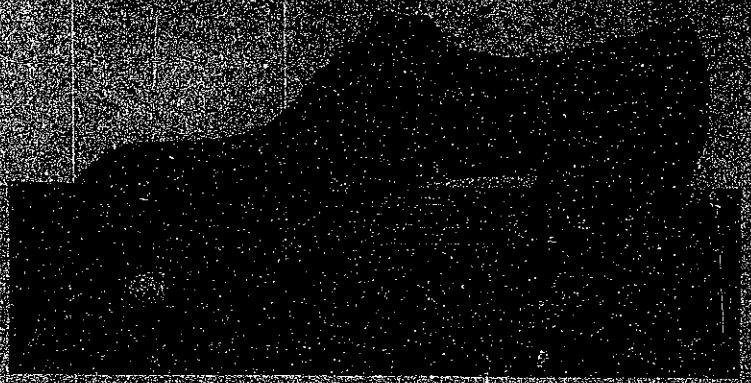
DISCOUNT to M. I. T. STUDENTS
ON
Fine Drafting Instruments
T-Squares - Triangles - Papers
Drawing Materials

Large Stock - Low Prices

WADSWORTH HOWLAND & Co.
INCORPORATED
IMPORTERS
216 & 218 Clarendon St.
82 & 84 Washington St.
BOSTON
New catalogue free

COES & POUNE

College Shoes



FLAT SOLED SHOES

ONLY ONE STORE

20 School St. - BOSTON

J. C. LITTLEFIELD,

Tailor and Outfitter,

12 Beacon Street,

Boston.

I can offer you a larger and more complete assortment than can be seen elsewhere, and at lower prices for the same qualities. Look in and examine my goods before placing your order.

Golf Breeches, Riding Breeches, and Dress Suits a Specialty.

DISCOUNT TO STUDENTS.

TECH STUDENTS!

25% SAVED.

CUSTOM TAILORS

THE LARGE NUMBERS OF "TECH STUDENTS" WHO ARE OUR REGULAR CUSTOMERS, ARE OUR BEST ADVERTISEMENT.

E. R. SMITH & CO.,

77 Bedford Street.